

PCT

INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference NSC1P318.WO	FOR FURTHER ACTION see Form PCT/ISA/220 as well as, where applicable, item 5 below.	
International application No. PCT/US2005/019480	International filing date (day/month/year) 03/06/2005	(Earliest) Priority Date (day/month/year) 04/06/2004
Applicant NATIONAL SEMICONDUCTOR CORPORATION		

This International Search Report has been prepared by this International Searching Authority and is transmitted to the applicant according to Article 18. A copy is being transmitted to the International Bureau.

This International Search Report consists of a total of 4 sheets.

☒ It is also accompanied by a copy of each prior art document cited in this report.

1. **Basis of the report**

- a. With regard to the **language**, the international search was carried out on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item.

☐ The international search was carried out on the basis of a translation of the international application furnished to this Authority (Rule 23.1(b)).

- b. ☐ With regard to any **nucleotide and/or amino acid sequence** disclosed in the international application, see Box No. I.

2. ☐ **Certain claims were found unsearchable** (See Box II).

3. ☐ **Unity of invention is lacking** (see Box III).

4. With regard to the **title**,

☒ the text is approved as submitted by the applicant.

☐ the text has been established by this Authority to read as follows:

5. With regard to the **abstract**,

☒ the text is approved as submitted by the applicant.

☐ the text has been established, according to Rule 38.2(b), by this Authority as it appears in Box No. IV. The applicant may, within one month from the date of mailing of this international search report, submit comments to this Authority.

6. With regard to the **drawings**,

- a. the figure of the **drawings** to be published with the abstract is Figure No. 2

☒ as suggested by the applicant.

☐ as selected by this Authority, because the applicant failed to suggest a figure.

☐ as selected by this Authority, because this figure better characterizes the invention.

- b. ☐ none of the figures is to be published with the abstract.

INTERNATIONAL SEARCH REPORT

International Application No

PCT/US2005/019480

A. CLASSIFICATION OF SUBJECT MATTER

G02B6/12

G02B6/36

G06F3/03

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

G06F G02B

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	✓ US 6 181 842 B1 (FRANCIS DANIEL A ET AL) 30 January 2001 (2001-01-30) column 8, line 34 - column 9, line 52; figure 1B	1-48
A	PATENT ABSTRACTS OF JAPAN vol. 2003, no. 10, 8 October 2003 (2003-10-08) & JP 2003 177264 A (OMRON CORP), 27 June 2003 (2003-06-27) abstract	1-8, 16, 19, 23-33
A	WO 03/071323 A (FCI; FLERS, ALAIN; YABRE, GNITABOURE; ROSINSKI, BOGDAN) 28 August 2003 (2003-08-28) the whole document	1-8, 16, 19, 23-33
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☒ Further documents are listed in the continuation of box C.☒ Patent family members are listed in annex.

* Special categories of cited documents:

- *A* document defining the general state of the art which is not considered to be of particular relevance
- *E* earlier document but published on or after the international filing date
- *L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- *O* document referring to an oral disclosure, use, exhibition or other means
- *P* document published prior to the international filing date but later than the priority date claimed

- *T* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- *X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- *Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- * & * document member of the same patent family

Date of the actual completion of the international search

20 October 2005

Date of mailing of the international search report

22/11/2005

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2
NL - 2280 HV Rijswijk
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,
Fax: (+31-70) 340-3016

Authorized officer

Plouzenec, L

INTERNATIONAL SEARCH REPORT

International Application No

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	WO 02/095668 A (PALM, INC) 28 November 2002 (2002-11-28) figure 5	1,9-15, 17,18, 20-22
A ✓	US 5 914 709 A (GRAHAM ET AL) 22 June 1999 (1999-06-22) cited in the application the whole document	1-48

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/US2005/019480

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
US 6181842	B1	30-01-2001	WO 2004057389 A1	08-07-2004
JP 2003177264	A	27-06-2003	NONE	
WO 03071323	A	28-08-2003	EP 1476778 A2	17-11-2004
			FR 2836237 A1	22-08-2003
			US 2005220404 A1	06-10-2005
WO 02095668	A	28-11-2002	US 2002175901 A1	28-11-2002
US 5914709	A	22-06-1999	AT 218227 T	15-06-2002
			AU 742483 B2	03-01-2002
			AU 6701098 A	29-09-1998
			CA 2283169 A1	17-09-1998
			CN 1260060 A	12-07-2000
			DE 69805610 D1	04-07-2002
			DE 69805610 T2	21-11-2002
			EP 0965098 A1	22-12-1999
			JP 2001514779 T	11-09-2001
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			US 6351260 B1	26-02-2002